

## AMENDMENTS TO THE ABSTRACT

Please replace abstract with the following amended abstract marked up to show changes made relative to the immediate prior version:

Methods, apparatuses and systems for populating a data structure ~~having a maximum number of entries represented by N, having L entries already entered into the data structure, and where N is equal to two to the power x. The methods, apparatuses and systems include~~ swapping x bits of a binary representation of L and using a value obtained by the swapping as an ~~index for a new entry~~ . The data structure may be established in a memory unit and may have a total number of N slots for entries. In this case, N is defined as an integer representing the total number of slots in the data structure, and N is further expressible as a power of two with an integer exponent x. Entries may then be stored into L slots of the data structure, with L being defined as an integer representing a number of slots that contain entries. To produce an index value, x bits of a binary representation of L may be swapped. A new data entry is then stored into an entry of the data structure represented by the index value.